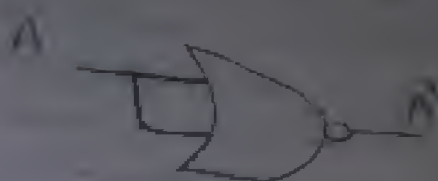
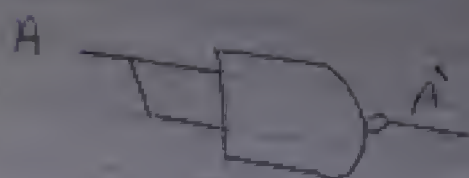


Inverter "Not" \rightarrow $\neg A$, $\neg B$, $\neg A \neg B$



A	B	C	
0	0	0	AND
1	0	0	
0	1	0	
1	1	1	NAND

NAND case
 $A = B$ both inputs
 Inverter's input data

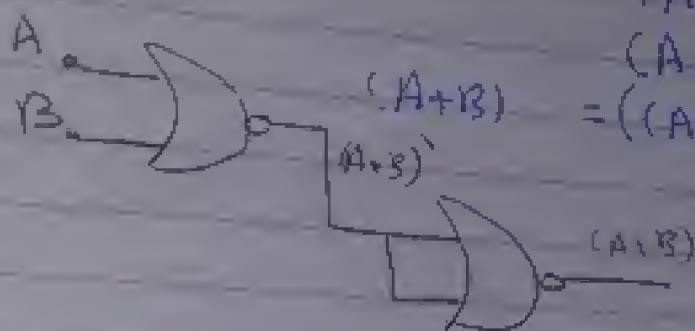
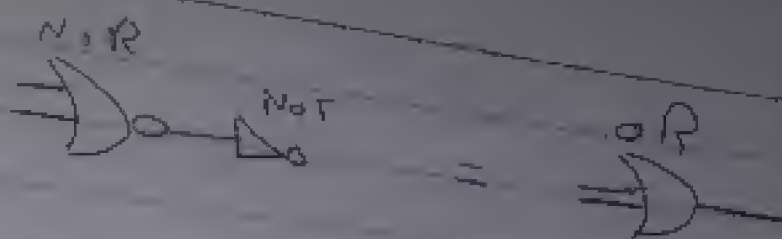
A	B	OR	NOR
0	0	0	1
0	1	1	0
1	0	1	0
1	1	1	0

NOR case
 $A = B$ both inputs
 Inverter's input data

$$A - A = A$$

$$A' - A = A$$

A	NOT
0	1
1	0



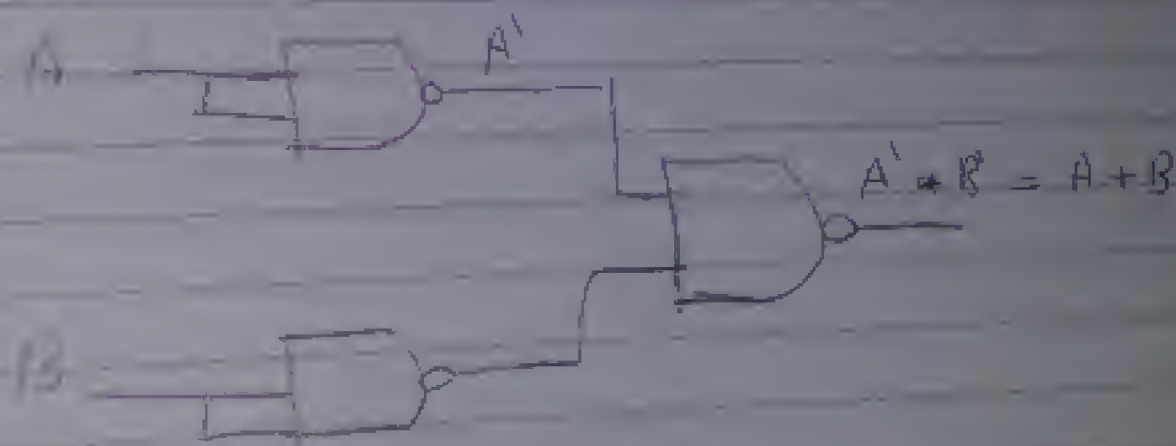
* $(A+B) = OR$ $(A+B)' = NOR$ $((A+B)')' = \text{inverted OR}$
 * $(A.B) = AND$ $(A.B)' = NAND$ $((A.B)')' = \text{inverted AND}$

* NAND

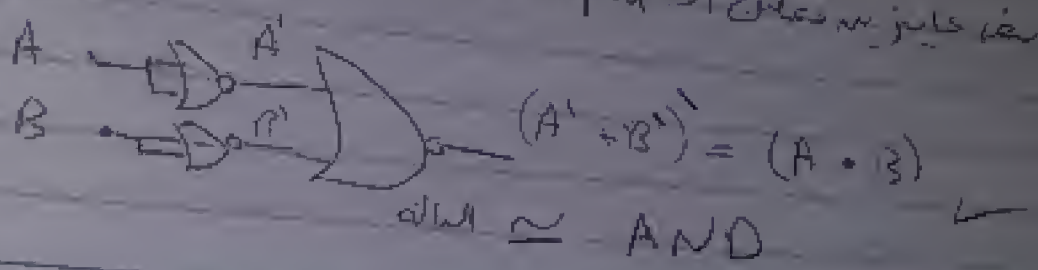
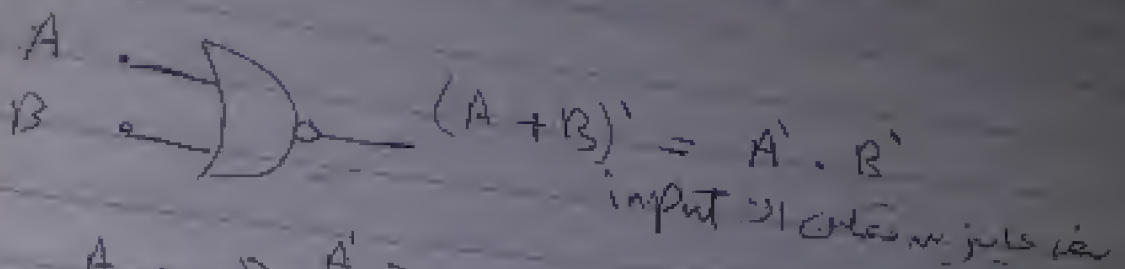
الـ (()) تعكس كل حاجه داخل القوسه ..

معادله NAND من معادله OR ولكن

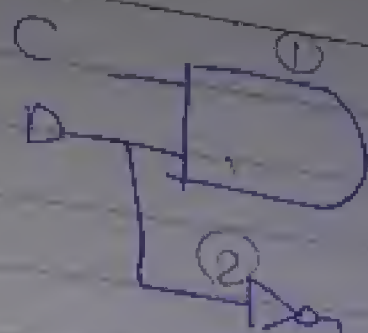
$$(A+B)' = A' \cdot B' = A' \cdot B$$



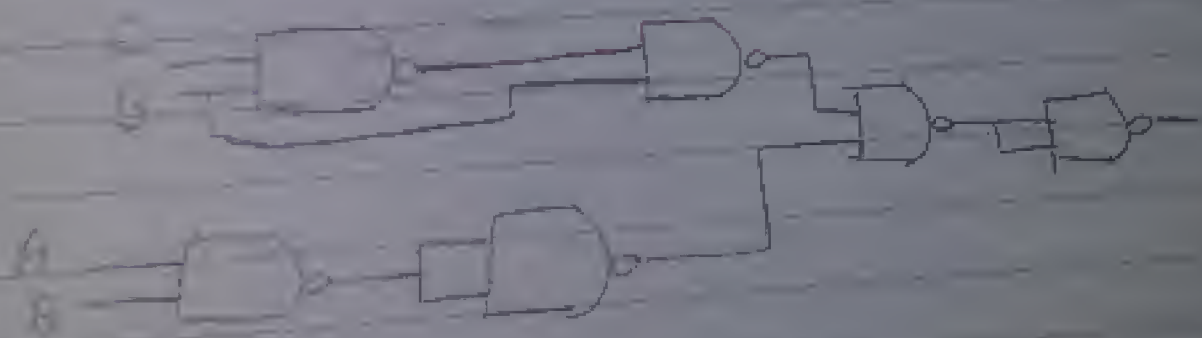
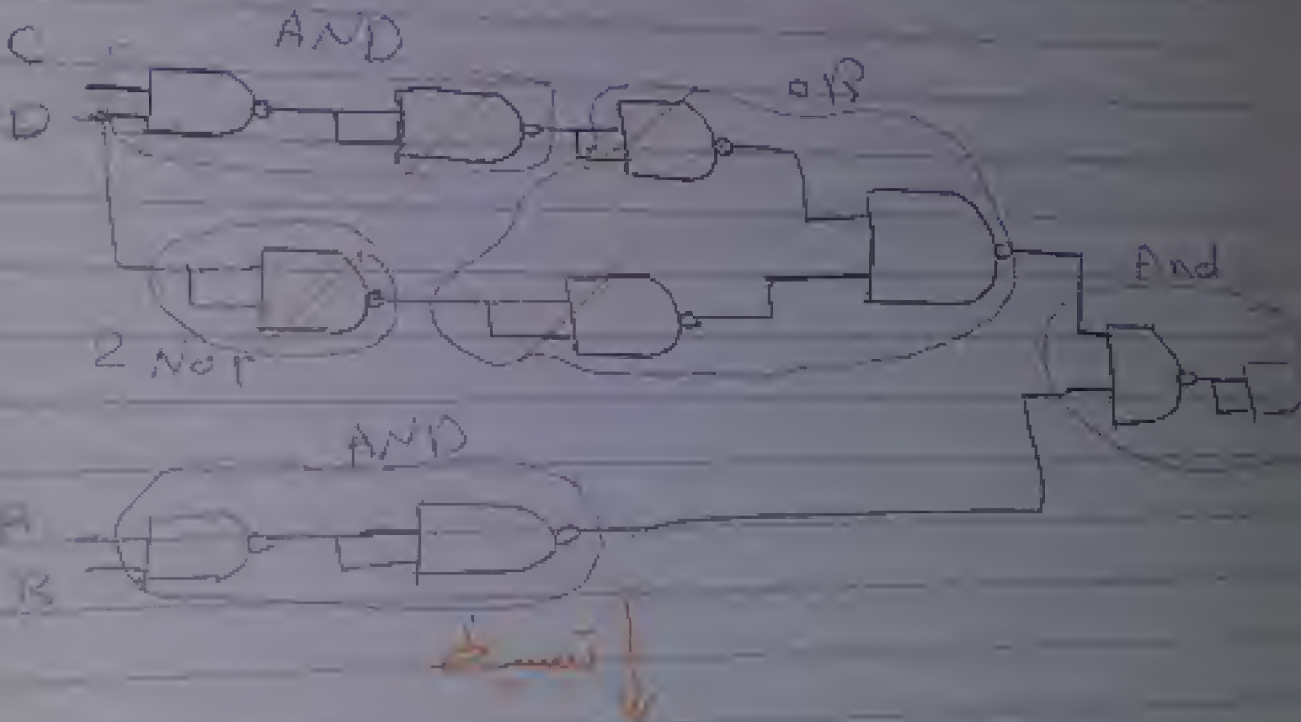
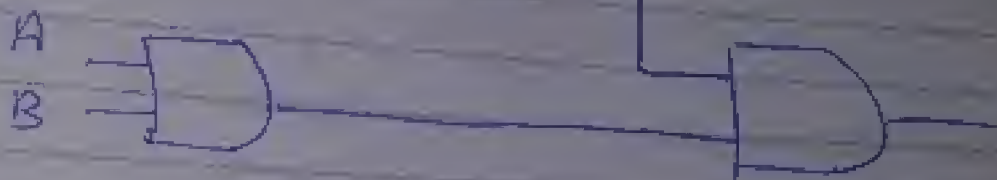
From NOR \rightarrow AND



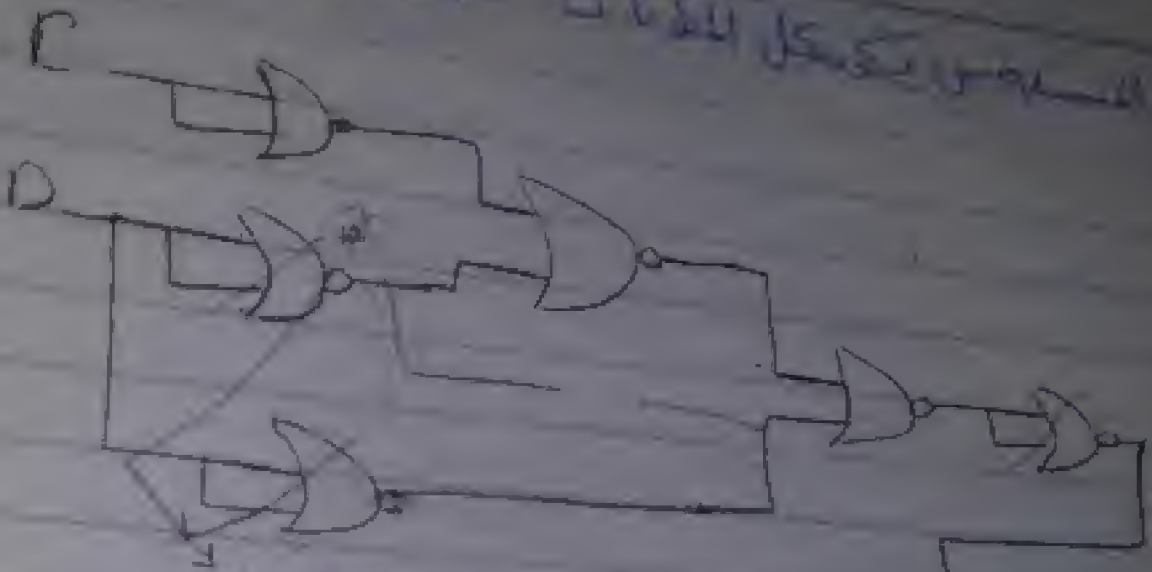
	NAND	NOR
NOT		
AND		
OR		



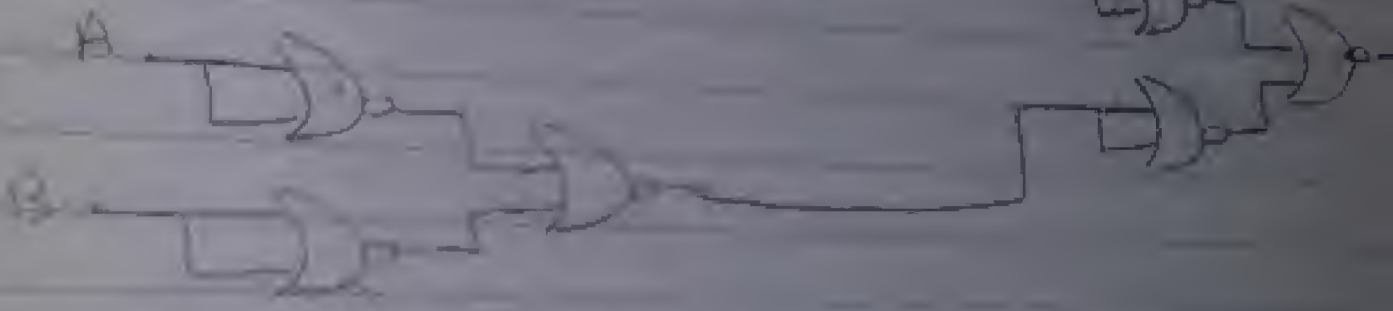
فعلی Function
Cand یہ سہی سکتا ن NAND



NOR only logic



Make one inverter



↓

